

ABSTRACT OF THE DISCLOSURE

The fuel cell of the present invention comprises: a membrane electrode assembly including an electrolyte membrane held between an anode electrode and a cathode electrode; an anode side separator and a cathode side separator clamping the membrane electrode assembly; an oxidant gas channel provided on the cathode side separator, the oxidant gas channel starting from an oxidant gas channel inlet and reaching an oxidant gas channel outlet, the oxidant gas channel having a U-shape comprising a first route, a turning portion, and a second returning route; and a fuel gas channel provided on the anode side separator, the fuel gas channel starting from a fuel gas channel inlet and reaching a fuel gas channel outlet, the fuel gas channel having a U-shape comprising a first route, a turning portion, and a second returning route. The oxidant gas inlet and the oxidant gas outlet are provided in one side of the cathode side separator, and the fuel gas inlet and the fuel gas outlet are provided in the other side of the anode side separator.